

Manufacturers' Shipments, Inventories, and Orders

January 1988

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U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in January decreased \$1.3 billion or 0.6 percent from December to \$212.6 billion. New orders for durable goods decreased \$1.8 billion or 1.5 percent to \$113.9 billion; this revises the earlier reported decline of 2.8 percent, with most of the revision in the aircraft and parts industry. New orders for nondurable goods were up \$0.5 billion or 0.5 percent to \$98.7 billion.

Shipments of manufactured goods declined in January \$3.7 billion or 1.7 percent to \$207.7 billion. All of the decline was in the durable goods sector, down \$3.9 billion or 3.5 percent to \$109.1 billion. Shipments of nondurable goods increased \$0.3 billion or 0.3 percent to \$98.6 billion.

Unfilled orders for manufactured goods increased \$4.9 billion or 1.2 percent to \$408.4 billion. This is the largest one-month increase since the 1.7 percent increase last July.

Current cost inventories at the end of January were up \$2.7 billion or 0.8 percent to \$336.3 billion. Durable goods inventories increased 0.9 percent and nondurables 0.6 percent. The inventory to shipments ratio for January was 1.62 up from 1.58 in December.

New Orders

Within the durable goods sector, large declines in orders for transportation equipment and primary metals more than offset increases in the machinery categories. Transportation was down \$2.7 billion or 8.8 percent to \$28.4 billion; aircraft and parts dropped \$2.2 billion or 17.4 percent and motor vehicles and parts \$0.9 billion or 5.5 percent. Primary metals declined \$1.8 billion or 15.0 percent to \$10.2 billion, following 10.0 percent increase in December.

Both electrical and nonelectrical machinery orders increased in January. Electrical machinery was up \$1.1 billion or 5.8 percent to \$20.9 billion; increases were widespread in the specific categories. Nonelectrical machinery increased \$1.3 billion or 6.8 percent to \$20.5 billion. Most of the increase was in office and computing equipment, up \$1.1 billion or 24.2 percent to \$5.7 billion.

Within nondurables, declines in tobacco and petroleum products were more than offset by increases in most of the other categories.

Shipments

The decline in durable goods shipments of 3.5 percent resulted from decreases in nearly all categories except machinery. Transportation equipment declined \$3.5 billion or 12.0 percent to \$25.6 billion, with all categories except railroad equipment decreasing. Primary metals declined \$0.9 billion or 8.1 percent to \$10.4 billion with both steel and nonferrous declining.

Electrical machinery shipments increased \$0.4 billion or 2.2 percent to \$19.9 billion with a mixed pattern of change in the specific categories. Nonelectrical machinery increased \$0.4 billion or 2.2 percent to \$19.8 billion; an increase in office and computing equipment more than offset declines in most of the other categories.

Shipments of nondurable goods were up 0.3 percent; declines in tobacco and petroleum products were offset by increases in most of the other categories.

Unfilled Orders

Unfilled orders for durable goods increased \$4.8 billion or 1.2 percent to \$394.6 billion. Transportation equipment increased \$2.8 billion or 1.6 percent, all of which was in aircraft and parts. Electrical machinery increased \$1.0 billion or 1.1 percent, most of which was in communication equipment. Nonelectrical machinery increased \$0.7 billion or 1.2 percent, reflecting scattered smaller increases.

Inventories

Increases in inventories of durable goods manufacturers were widespread. Transportation equipment was up \$0.6 billion or 1.0 percent; primary metals were up \$0.5 billion or 2.9 percent; and nonelectrical machinery was up \$0.5 billion or 1.1 percent. The largest increases in inventories of nondurable goods manufacturers were in chemicals, rubber and plastics, and printing and publishing; the largest declines were in petroleum products and apparel.

Inventories in all stages of processing increased in January. Materials and supplies were up 0.7 percent, work in process 0.6 percent and finished goods 1.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for February 1988 is scheduled for March 22, 1988, at 8:30 a.m. and the full report on March 30, 1988, at 10:00 a.m. The schedule of release dates for 1988 can be found on back page of this publication.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the data of issue through the Census Bureau's online information service—CENDATA™. The online version of the report can be read from a terminal screen, printed on— or off—line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)														
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1988P	Dec. 1987P	Nov. 1987	Jan. 1987P	Dec.- Jan.P	Nov.- Dec.P	Jan.- 88/87	Jan. 1988P	Dec. 1987P	Nov. 1987	Jan. 1987	1988P	1987
	All manufacturing industries	207,691	211,356	207,226	189,642	-1.7	+2.0	+9.5	191,148	204,228	205,722	174,671	191,148	174,671
	Manufacturing industries with unfilled orders.....	115,044	117,647	113,970	102,895	-2.2	+3.2	+11.8	104,101	116,263	113,921	93,339	104,101	93,339
	Durable goods industries.....	109,100	113,026	108,378	99,255	-3.5	+4.3	+9.9	98,193	108,872	107,625	89,625	98,193	89,625
	With unfilled orders.....	89,075	92,305	88,339	79,422	-3.5	+4.5	+12.2	79,711	91,371	88,158	71,317	79,711	71,317
32	Stone, clay, and glass products.....	5,163	5,280	5,282	4,986	-2.2	0.0	+3.5	4,454	4,552	5,132	4,297	4,454	4,297
33	Primary metals.....	10,365	11,273	10,608	8,068	-8.1	+6.3	+28.5	9,800	10,205	10,152	7,647	9,800	7,647
331	Blast furnaces, steel mills....	4,411	4,794	4,741	3,358	-8.0	+1.1	+31.4	4,248	4,404	4,451	3,240	4,248	3,240
332	Iron and steel foundries.....	745	815	807	795	-8.6	+1.0	-6.3	697	680	813	747	697	747
333-9	Nonferrous and other primary metals.....	5,209	5,664	5,060	3,915	-8.0	+11.9	+33.1	4,855	5,121	4,888	3,660	4,855	3,660
34	Fabricated metal products.....	11,174	11,460	11,166	10,937	-2.5	+2.6	+2.2	10,192	10,445	10,928	10,030	10,192	10,030
35	Machinery, except electrical....	19,775	19,351	18,103	16,597	+2.2	+6.9	+19.1	16,673	20,615	17,776	14,076	16,673	14,076
351	Engines and turbines.....	1,208	1,674	1,405	1,029	-27.8	+19.1	+17.4	1,104	1,607	1,370	944	1,104	944
353	Construction, mining, and material handling equipment..	2,490	2,426	2,372	1,814	+2.6	+2.3	+37.3	2,226	2,344	2,392	1,616	2,226	1,616
354	Metalworking machinery.....	854	804	821	707	+6.2	-2.1	+20.8	707	829	822	589	707	589
357	Office and computing machines....	5,668	4,818	4,514	4,532	+17.6	+6.7	+25.1	3,792	6,822	4,797	3,024	3,792	3,024
36	Electrical machinery.....	19,894	19,471	19,377	17,594	+2.2	+0.5	+13.1	17,605	20,244	19,928	15,586	17,605	15,586
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,419	2,206	2,329	2,086	+9.7	-5.3	+16.0	2,112	2,291	2,321	1,826	2,112	1,826
363	Household appliances.....	1,557	1,532	1,544	1,491	+1.6	-0.8	+6.4	1,418	1,352	1,454	1,367	1,418	1,367
365	Radio and TV.....	1,033	1,036	1,172	1,147	-0.3	-11.6	-9.9	945	1,026	1,269	1,051	945	1,051
366	Communication equipment.....	6,369	6,448	6,196	5,811	-1.2	+4.1	+9.6	5,288	7,547	6,399	4,837	5,288	4,837
367	Electronic components.....	4,719	4,711	4,509	3,904	+0.2	+4.5	+20.9	4,360	4,414	4,530	3,611	4,360	3,611
364,9	Other electrical machinery....	3,797	3,538	3,627	3,155	+7.3	-2.5	+20.3	3,482	3,614	3,955	2,894	3,482	2,894
37	Transportation equipment.....	25,645	29,156	27,107	25,540	-12.0	+7.6	+0.4	24,532	26,979	27,452	24,426	24,532	24,426
371	Motor vehicles and parts.....	16,196	17,050	17,116	16,710	-5.0	-0.4	-3.1	15,835	14,348	17,425	16,322	15,835	16,322
372,6	Aircraft, missiles, and parts....	7,690	10,182	8,438	7,258	-24.5	+20.7	+6.0	6,976	10,687	8,461	6,567	6,976	6,567
3731,95	Shipbuilding and military tank vehicles.....	776	1,049	749	651	-26.0	+40.1	+19.2	776	1,049	749	651	776	651
38	Instruments and related products	5,464	5,398	5,375	4,878	+1.2	+0.4	+12.0	4,985	5,597	5,389	4,439	4,985	4,439
381-4	Scientific and engineering instruments.....	3,686	3,614	3,585	3,200	+2.0	+0.8	+15.2	3,491	3,788	3,478	3,026	3,491	3,026
386	Photographic goods.....	1,589	1,599	1,618	1,508	-0.6	-1.2	+5.4	1,344	1,658	1,737	1,279	1,344	1,279
24,25, 39	All other durable goods.....	11,620	11,637	11,360	10,655	-0.1	+2.4	+9.1	9,952	10,235	10,868	9,124	9,952	9,124
	Nondurable goods industries.....	98,591	98,330	98,848	90,387	+0.3	-0.5	+9.1	92,955	95,356	98,097	85,046	92,955	85,046
	With unfilled orders.....	25,969	25,342	25,631	23,473	+2.5	-1.1	+10.6	24,390	24,892	25,763	22,022	24,390	22,022
20	Food and kindred products.....	29,276	28,389	28,646	26,976	+3.1	-0.9	+8.5	27,179	28,411	28,604	25,019	27,179	25,019
202	Dairy products.....	3,948	4,007	4,002	3,808	-1.5	+0.1	+3.7	3,755	3,867	3,979	3,624	3,755	3,624
208	Beverages.....	3,753	3,774	3,633	3,651	-0.6	+3.9	+2.8	3,265	3,375	3,420	3,165	3,265	3,165
203-6,9	All other foods.....	13,733	12,841	13,212	12,214	+6.9	-2.8	+12.4	12,634	13,300	13,372	11,214	12,634	11,214
21	Tobacco products.....	920	2,169	1,874	782	-57.6	+15.7	+17.6	920	2,169	1,874	782	920	782
22	Textile mill products.....	4,707	4,587	4,880	4,552	+2.6	-6.0	+3.4	4,088	4,350	4,795	3,948	4,088	3,948
221-4,6, 8,9	Broadwoven fabrics.....	2,880	2,763	3,044	2,722	+4.2	-9.2	+5.8	2,572	2,775	2,924	2,432	2,572	2,432
26	Paper and allied products.....	10,704	10,600	10,451	9,235	+1.0	+1.4	+15.9	10,416	10,112	10,071	8,983	10,416	8,983
261-3,6	Pulp, paper etc.....	4,841	4,742	4,597	4,092	+2.1	+3.2	+18.3	4,663	4,668	4,495	3,936	4,663	3,936
265	Paperboard containers.....	2,277	2,331	2,248	1,891	-2.3	+3.7	+20.4	2,227	2,117	2,145	1,849	2,227	1,849
264	All other paper products.....	3,586	3,527	3,606	3,252	+1.7	-2.2	+10.3	3,526	3,327	3,431	3,198	3,526	3,198
28	Chemicals and allied products....	19,141	18,626	18,850	17,010	+2.8	-1.2	+12.5	18,766	18,250	17,687	16,633	18,766	16,633
281,6	Industrial chemicals, except pigments.....	5,438	5,394	5,283	4,886	+0.8	+2.1	+11.3	5,172	5,309	5,145	4,644	5,172	4,644
283,4	Drugs, soaps, and toiletries....	6,638	6,162	6,207	5,981	+7.7	-0.7	+11.0	6,665	6,269	5,848	5,978	6,665	5,978
282,9	Other chemical products.....	4,562	4,497	4,630	3,964	+1.4	-2.9	+15.1	4,343	4,373	4,502	3,772	4,343	3,772
29	Petroleum and coal products.....	10,297	10,796	11,099	10,012	-4.6	-2.7	+2.8	10,111	10,630	11,068	9,768	10,111	9,768
30	Rubber and plastics products....	6,848	6,869	6,826	6,306	-0.3	+0.6	+8.6	6,370	6,212	6,827	5,859	6,370	5,859
23,27, 31	All other nondurable goods.....	16,698	16,294	16,222	15,514	+2.5	+0.4	+7.6	15,105	15,222	17,171	14,054	15,105	14,054
	Market categories:													
	Home goods and apparel.....	14,066	13,725	13,677	13,211	+2.5	+0.4	+6.5	12,047	11,510	14,101	11,340	12,047	11,340
	Consumer staples.....	41,240	40,852	40,859	37,828	+0.9	0.0	+9.0	38,568	41,117	40,970	35,342	38,568	35,342
	Equipment and defense products, except automotive.....	34,258	35,361	32,282	29,547	-3.1	+9.5	+15.9	29,298	38,602	32,203	25,270	29,298	25,270
	Automotive equipment.....	18,244	18,927	19,053	18,677	-3.6	-0.7	-2.3	17,746	16,056	19,324	18,149	17,746	18,149
	Construction materials, supplies and intermediate products.....	16,413	16,817	16,600	15,633	-2.4	+1.3	+5.0	13,971	14,685	15,858	13,275	13,971	13,275
	Other materials, supplies, and intermediate products.....	83,470	85,674	84,755	74,746	-2.6	+1.1	+11.7	79,518	82,258	83,266	71,295	79,518	71,295
	Supplementary series: ²													
	Capital goods industries.....	39,191	40,825	37,862	34,009	-4.0	+7.8	+15.2	33,667	44,343	38,326	29,298	33,667	29,298
	Nondefense.....	30,800	30,731	28,622	25,655	+0.2	+7.4	+20.1	26,224	33,415	28,916	21,897	26,224	21,897
	Defense.....	8,391	10,094	9,240	8,354	-16.9	+9.2	+0.4	7,443	10,928	9,410	7,401	7,443	7,401
	Household durable goods industries.....	6,718	6,433	6,566	6,199	+4.4	-2.0	+8.4	5,743	5,752	6,612	5,326	5,743	5,326

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1988P	Dec. 1987F	Nov. 1987	Jan. 1987F	Dec. Jan. P	Nov. Dec. F	Jan. 88/87	Jan. 1988P	Dec. 1987F	Nov. 1987	Jan. 1987	1988P	1987
	All manufacturing industries	212,571	213,822	209,626	187,629	-0.6	+2.0	+13.3	199,902	208,377	209,404	176,302	199,902	176,302
	Manufacturing industries with unfilled orders.....	119,924	120,113	116,370	100,882	-0.2	+3.2	+18.9	112,855	120,412	117,603	94,970	112,855	94,970
	Durable goods industries.....	113,861	115,620	110,949	96,913	-1.5	+4.2	+17.5	106,641	113,164	111,659	90,761	106,641	90,761
	With unfilled orders.....	93,836	94,899	90,910	77,080	-1.1	+4.4	+21.7	88,159	95,663	92,192	72,453	88,159	72,453
32	Stone, clay, and glass products.	5,139	5,202	5,301	4,960	-1.2	-1.9	+3.6	4,490	4,490	5,144	4,333	4,490	4,333
33	Primary metals.....	10,197	11,997	10,903	7,642	-15.0	+10.0	+33.4	10,758	11,464	10,463	8,133	10,758	8,133
331	Blast furnaces, steel mills...	4,231	5,333	5,053	3,084	-20.7	+5.5	+37.2	4,573	5,339	4,873	3,409	4,573	3,409
332	Iron and steel foundries.....	754	824	905	789	-8.5	-9.0	-4.4	843	628	905	873	843	873
333-9	Nonferrous and other primary metals.....	5,212	5,840	4,945	3,769	-10.8	+18.1	+38.3	5,342	5,497	4,685	3,851	5,342	3,851
34	Fabricated metal products.....	10,999	11,472	11,290	10,857	-4.1	+1.6	+1.3	10,077	10,556	10,998	9,992	10,077	9,992
35	Machinery, except electrical....	20,493	19,195	18,024	16,038	+6.8	+6.5	+27.8	17,548	19,810	17,917	13,695	17,548	13,695
351	Engines and turbines.....	1,258	1,206	1,376	652	+4.3	-12.4	+92.9	1,073	1,068	1,357	492	1,073	492
353	Construction, mining, and material handling equipment..	2,473	2,708	2,361	1,721	-8.7	+14.7	+43.7	2,242	2,664	2,432	1,539	2,242	1,539
354	Metalworking machinery.....	935	840	792	731	+11.3	+6.1	+27.9	820	735	775	636	820	636
357	Office and computing machines.	5,690	4,582	4,309	4,072	+24.2	+6.3	+39.7	3,671	6,080	4,762	2,467	3,671	2,467
36	Electrical machinery.....	20,910	19,762	20,288	16,162	+5.8	-2.6	+29.4	19,454	20,373	20,134	14,925	19,454	14,925
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,446	2,100	2,310	2,104	+16.5	-9.1	+16.3	2,171	2,172	2,286	1,885	2,171	1,885
363	Household appliances.....	1,612	1,568	1,525	1,436	+2.8	+2.8	+12.3	1,502	1,378	1,439	1,346	1,502	1,346
365	Radio and TV.....	1,035	965	1,173	1,137	+7.3	-17.7	-9.0	947	955	1,270	1,041	947	1,041
366	Communication equipment.....	7,098	6,761	6,727	5,285	+5.0	+0.5	+34.3	6,747	7,671	6,497	4,926	6,747	4,926
367	Electronic components.....	4,905	4,753	4,905	2,996	+3.2	-3.1	+63.7	4,614	4,530	4,693	2,806	4,614	2,806
364,9	Other electrical machinery....	3,814	3,615	3,648	3,204	+5.5	-0.9	+19.0	3,473	3,667	3,949	2,921	3,473	2,921
37	Transportation equipment.....	28,427	31,155	28,603	25,125	-8.8	+8.9	+13.1	28,748	31,037	31,099	25,492	28,748	25,492
372,6	Aircraft, missiles, and parts.	10,530	12,755	9,094	7,046	-17.4	+40.3	+49.4	11,318	15,433	10,990	7,838	11,318	7,838
3731,95	Shipbuilding and military tank vehicles.....	861	465	1,547	441	+85.2	-69.9	+95.2	683	276	1,884	308	683	308
38	Instruments and related products	5,652	5,411	5,437	5,102	+4.5	-0.5	+10.8	5,194	5,617	5,400	4,682	5,194	4,682
381-4	Scientific and engineering instruments.....	3,856	3,673	3,726	3,425	+5.0	-1.4	+12.6	3,661	3,847	3,619	3,251	3,661	3,251
24,25, 39	All other durable goods.....	12,044	11,426	11,103	11,027	+5.4	+2.9	+9.2	10,372	9,817	10,504	9,509	10,372	9,509
	Nondurable goods industries.....	98,710	98,202	98,677	90,716	+0.5	-0.5	+8.8	93,261	95,213	97,745	85,541	93,261	85,541
	With unfilled orders.....	26,088	25,214	25,460	23,802	+3.5	-1.0	+9.6	24,696	24,749	25,411	22,517	24,696	22,517
	Market categories:													
	Home goods and apparel.....	14,437	13,463	13,500	13,637	+7.2	-0.3	+5.9	12,553	11,161	13,802	11,863	12,553	11,863
	Consumer staples.....	41,169	40,899	40,888	37,803	+0.7	0.0	+8.9	38,535	41,182	40,983	35,369	38,535	35,369
	Equipment and defense products, except automotive.....	35,890	35,353	34,434	28,224	+1.5	+2.7	+27.2	33,152	39,667	36,252	26,131	33,152	26,131
	Automotive equipment.....	18,108	18,880	19,098	18,681	-4.1	-1.1	-3.1	17,720	16,084	19,310	18,284	17,720	18,284
	Construction materials, supplies and intermediate products.....	16,294	17,097	16,799	15,473	-4.7	+1.8	+5.3	13,987	14,843	16,001	13,237	13,987	13,237
	Other materials, supplies, and intermediate products.....	86,673	88,130	84,907	73,811	-1.7	+3.8	+17.4	83,955	85,440	83,056	71,418	83,955	71,418
	Supplementary series: ²													
	Capital goods industries.....	43,453	42,927	39,824	32,584	+1.2	+7.8	+33.4	40,127	47,525	42,262	30,010	40,127	30,010
	Nondefense.....	34,746	33,879	30,085	26,771	+2.6	+12.6	+29.8	30,314	35,848	30,576	23,185	30,314	23,185
	Defense.....	8,707	9,048	9,739	5,813	-3.8	-7.1	+49.8	9,813	11,677	11,686	6,825	9,813	6,825
	Household durable goods industries.....	7,033	6,205	6,361	6,518	+13.3	-2.5	+7.9	6,163	5,478	6,362	5,741	6,163	5,741

P Preliminary. F Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

² The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹			
		End of month				Percent change			End of month			
		Jan. 1988 ^P	Dec. 1987 ^F	Nov. 1987	Jan. 1987 ^F	Dec.-Jan. P	Nov.-Dec. F	Jan.-88/87	Jan. 1988 ^P	Dec. 1987 ^F	Nov. 1987	Jan. 1987
	All manufacturing industries.....	408,376	403,496	401,030	370,961	+1.2	+0.6	+10.1	409,168	400,414	396,265	372,041
	Durable goods industries.....	394,621	389,860	387,266	359,513	+1.2	+0.7	+9.8	395,593	387,145	382,853	360,672
32	Stone, clay, and glass products.....	2,541	2,565	2,643	2,508	-0.9	-3.0	+1.3	2,503	2,467	2,529	2,466
33	Primary metals.....	22,167	22,335	21,611	16,892	-0.8	+3.4	+31.2	22,563	21,605	20,346	17,213
331	Blast furnaces, steel mills.....	12,071	12,251	11,712	8,891	-1.5	+4.6	+35.8	12,204	11,879	10,944	9,020
332	Iron and steel foundries.....	2,987	2,978	2,969	2,752	+0.3	+0.3	+8.5	3,044	2,898	2,950	2,802
333-9	Nonferrous and other primary metals.....	7,109	7,106	6,930	5,249	0.0	+2.5	+35.4	7,315	6,828	6,452	5,391
34	Fabricated metal products.....	19,381	19,556	19,544	18,813	-0.9	+0.1	+3.0	19,235	19,350	19,239	18,659
35	Machinery, except electrical.....	58,382	57,664	57,820	54,737	+1.2	-0.3	+6.7	57,790	56,915	57,720	54,177
351	Engines and turbines.....	14,609	14,559	15,027	14,018	+0.3	-3.1	+4.2	14,654	14,685	15,224	14,053
353	Construction, mining, and material handling equipment.....	4,833	4,850	4,568	4,207	-0.4	+6.2	+14.9	4,901	4,885	4,565	4,258
354	Metalworking machinery.....	3,119	3,038	3,002	3,171	+2.7	+1.2	-1.6	3,050	2,937	3,031	3,102
357	Office and computing machines.....	18,902	18,880	19,116	18,769	+0.1	-1.2	+0.7	18,146	18,267	19,009	18,076
36	Electrical machinery.....	97,249	96,233	95,942	92,412	+1.1	+0.3	+5.2	96,653	94,804	94,675	91,909
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,554	5,527	5,633	5,412	+0.5	-1.9	+2.6	5,533	5,474	5,593	5,387
363	Household appliances.....	275	220	184	235	+25.0	+19.6	+17.0	283	199	173	242
365	Radio and TV.....	362	360	431	353	+0.6	-16.5	+2.5	362	360	431	353
366	Communication equipment.....	71,182	70,453	70,140	69,503	+1.0	+0.4	+2.4	71,024	69,565	69,441	69,375
367	Electronic components.....	17,982	17,796	17,754	15,143	+1.0	+0.2	+18.7	17,604	17,350	17,234	14,826
364,9	Other electrical machinery.....	1,894	1,877	1,800	1,766	+0.9	+4.3	+7.2	1,847	1,856	1,803	1,726
37	Transportation equipment.....	179,585	176,803	174,804	160,550	+1.6	+1.1	+11.9	181,787	177,571	173,513	162,855
372,6	Aircraft, missiles, and parts.....	155,049	152,209	149,636	137,459	+1.9	+1.7	+12.8	157,579	153,237	148,491	139,997
3731,95	Shipbuilding and military tank vehicles.....	18,513	18,428	19,012	17,252	+0.5	-3.1	+7.3	18,185	18,278	19,051	17,003
38	Instruments and related products.....	9,158	8,970	8,957	8,439	+2.1	+0.1	+8.5	9,130	8,921	8,901	8,418
381-4	Scientific and engineering instruments.....	8,216	8,046	7,987	7,629	+2.1	+0.7	+7.7	8,216	8,046	7,987	7,629
24,25, 39	All other durable goods.....	6,158	5,734	5,945	5,162	+7.4	-3.5	+19.3	5,932	5,512	5,930	4,975
	Nondurable goods industries.....	13,755	13,636	13,764	11,448	+0.9	-0.9	+20.2	13,575	13,269	13,412	11,369
	Market categories:											
	Home goods and apparel.....	4,781	4,410	4,672	3,937	+8.4	-5.6	+21.4	4,630	4,124	4,473	3,855
	Consumer staples.....	627	698	651	745	-10.2	+7.2	-15.8	662	695	630	790
	Equipment and defense products, except automotive.....	253,828	252,196	252,204	237,473	+0.6	0.0	+6.9	255,015	251,161	250,096	238,848
	Automotive equipment.....	5,599	5,735	5,782	5,623	-2.4	-0.8	-0.4	5,599	5,625	5,597	5,639
	Construction materials, supplies and intermediate products.....	10,474	10,593	10,313	10,272	-1.1	+2.7	+2.0	10,261	10,245	10,087	10,050
	Other materials, supplies, and intermediate products.....	133,067	129,864	127,408	112,911	+2.5	+1.9	+17.9	133,001	128,564	125,382	112,859
	Supplementary series: ²											
	Capital goods industries.....	313,535	309,273	307,171	288,493	+1.4	+0.7	+8.7	314,918	308,458	305,276	290,026
	Nondefense.....	150,240	146,294	143,146	128,936	+2.7	+2.2	+16.5	149,579	145,489	143,056	128,308
	Defense.....	163,295	162,979	164,025	159,557	+0.2	-0.6	+2.3	165,339	162,969	162,220	161,718
	Household durable goods industries.....	3,764	3,449	3,677	3,388	+9.1	-6.2	+11.1	3,753	3,333	3,607	3,375

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)												
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹			
		End of month				Percent change			End of month			
		Jan. 1988 ^P	Dec. 1987 ^F	Nov. 1987	Jan. 1987 ^F	Dec.-Jan. ^P	Nov.-Dec. ^F	Jan.-88/87	Jan. 1988 ^P	Dec. 1987 ^F	Nov. 1987	Jan. 1987
	All manufacturing industries.....	336,340	333,656	331,812	320,223	+0.8	+0.6	+5.0	334,631	328,816	330,713	318,578
	Manufacturing industries with unfilled orders.....	228,622	226,271	225,417	217,980	+1.0	+0.4	+4.9	225,650	221,475	223,909	215,212
	Durable goods industries.....	218,773	216,753	215,931	208,935	+0.9	+0.4	+4.7	216,633	212,704	214,613	206,933
	With unfilled orders.....	200,721	198,791	198,103	192,093	+1.0	+0.3	+4.5	198,232	194,711	197,081	189,773
32	Stone, clay, and glass products.....	7,110	7,162	7,135	7,208	-0.7	+0.4	-1.4	6,997	7,045	6,909	7,095
33	Primary metals.....	18,054	17,542	17,249	17,124	+2.9	+1.7	+5.4	17,873	17,404	17,231	16,942
331	Blast furnaces, steel mills.....	8,415	8,022	7,849	7,809	+4.9	+2.2	+7.8	8,230	8,011	7,992	7,635
332	Iron and steel foundries.....	1,258	1,270	1,255	1,116	-0.9	+1.2	+12.7	1,245	1,235	1,203	1,105
333-9	Nonferrous and other primary metals.....	8,381	8,250	8,145	8,199	+1.6	+1.3	+2.2	8,398	8,158	8,036	8,202
34	Fabricated metal products.....	22,426	22,072	21,971	21,314	+1.6	+0.5	+5.2	22,298	21,738	21,631	21,193
35	Machinery, except electrical.....	41,868	41,418	41,191	41,324	+1.1	+0.6	+1.3	41,599	40,730	41,136	41,055
351	Engines and turbines.....	2,862	2,856	2,820	2,795	+0.2	+1.3	+2.4	2,767	2,675	2,882	2,698
353	Construction, mining, and material handling equipment.....	6,782	6,483	6,401	6,842	+4.6	+1.3	-0.9	6,775	6,478	6,433	6,834
354	Metalworking machinery.....	2,861	2,925	2,953	2,954	-2.2	-0.9	-3.1	2,844	2,834	2,938	2,937
357	Office and computing machines.....	9,979	9,954	9,812	9,794	+0.3	+1.4	+1.9	9,769	9,705	9,767	9,590
36	Electrical machinery.....	40,039	39,975	40,190	39,096	+0.2	-0.5	+2.4	39,456	39,213	39,716	38,531
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,817	4,917	4,804	4,917	-2.0	+2.4	-2.0	4,800	4,792	4,761	4,897
363	Household appliances.....	2,864	2,877	2,837	2,730	-0.5	+1.4	+4.9	2,792	2,707	2,641	2,669
365	Radio and TV.....	1,690	1,623	1,622	1,728	+4.1	+0.1	-2.2	1,575	1,514	1,562	1,609
366	Communication equipment.....	16,535	16,503	17,004	16,297	+0.2	-2.9	+1.5	16,396	16,362	16,982	16,165
367	Electronic components.....	8,368	8,317	8,269	7,728	+0.6	+0.6	+8.3	8,318	8,268	8,179	7,681
364,9	Other electrical machinery.....	5,765	5,738	5,654	5,696	+0.5	+1.5	+1.2	5,575	5,570	5,591	5,510
37	Transportation equipment.....	58,646	58,079	57,889	53,490	+1.0	+0.3	+9.6	57,736	56,583	58,248	52,716
371	Motor vehicles and parts.....	11,614	11,413	11,459	11,036	+1.8	-0.4	+5.2	11,764	11,465	11,598	11,183
372,6	Aircraft, missiles, and parts.....	43,145	42,940	42,397	38,858	+0.5	+1.3	+11.0	42,090	41,347	42,540	37,946
3731,95	Shipbuilding and military tank vehicles.....	2,116	2,043	2,216	1,995	+3.6	-7.8	+6.1	2,074	1,997	2,252	1,950
38	Instruments and related products.....	12,749	12,710	12,619	12,570	+0.3	+0.7	+1.4	12,569	12,367	12,527	12,391
381-4	Scientific and engineering instruments.....	9,165	9,117	9,048	9,074	+0.5	+0.8	+1.0	9,037	8,963	9,069	8,950
386	Photographic goods.....	2,947	2,948	2,911	2,905	0.0	+1.3	+1.4	2,912	2,792	2,835	2,864
24,25, 39	All other durable goods.....	17,881	17,795	17,687	16,809	+0.5	+0.6	+6.4	18,105	17,624	17,215	17,010
	Nondurable goods industries.....	117,567	116,903	115,881	111,288	+0.6	+0.9	+5.6	117,998	116,112	116,100	111,645
	With unfilled orders.....	27,901	27,480	27,314	25,887	+1.5	+0.6	+7.8	27,418	26,764	26,828	25,439
20	Food and kindred products.....	24,759	24,778	24,691	23,769	-0.1	+0.4	+4.2	25,335	25,181	25,797	24,292
202	Dairy products.....	2,415	2,404	2,388	2,026	+0.5	+0.7	+19.2	2,374	2,328	2,346	1,991
208	Beverages.....	4,386	4,445	4,525	4,687	-1.3	-1.8	-6.4	4,404	4,425	4,403	4,711
203-6,9	All other foods.....	14,386	14,364	14,179	14,041	+0.2	+1.3	+2.5	14,774	14,794	15,173	14,407
21	Tobacco products.....	5,619	5,569	5,600	5,604	+0.9	-0.6	+0.3	6,074	5,890	5,668	6,051
22	Textile mill products.....	6,881	6,874	6,930	6,679	+0.1	-0.8	+3.0	6,776	6,674	6,753	6,578
221-4,6, 8,9	Broadwoven fabrics.....	3,847	3,839	3,883	3,774	+0.2	-1.1	+1.9	3,797	3,748	3,816	3,724
26	Paper and allied products.....	11,340	11,284	10,995	10,543	+0.5	+2.6	+7.6	11,334	11,177	10,868	10,530
261-3,6	Pulp, paper etc.....	4,206	4,266	4,155	4,082	-1.4	+2.7	+3.0	4,260	4,261	4,084	4,132
265	Paperboard containers.....	2,992	2,815	2,860	2,637	+6.3	-1.6	+13.5	3,040	2,810	2,791	2,671
264	All other paper products.....	4,142	4,203	3,980	3,824	-1.5	+5.6	+8.3	4,034	4,106	3,993	3,727
28	Chemicals and allied products.....	28,325	27,743	27,321	27,158	+2.1	+1.5	+4.3	28,365	27,650	27,377	27,171
281,6	Industrial chemicals, except pigments.....	8,500	8,255	8,126	8,179	+3.0	+1.6	+3.9	8,500	8,255	8,126	8,179
283,4	Drugs, soaps, and toiletries.....	9,131	9,174	9,019	8,714	-0.5	+1.7	+4.8	8,967	8,985	9,048	8,554
282,9	Other chemical products.....	6,942	6,664	6,552	6,452	+4.2	+1.7	+7.6	7,032	6,647	6,412	6,506
29	Petroleum and coal products.....	10,201	10,646	10,732	10,008	-4.2	-0.8	+1.9	10,270	10,585	11,222	10,057
30	Rubber and plastics products.....	9,509	9,220	9,121	8,601	+3.1	+1.1	+10.6	9,456	9,089	8,834	8,540
23,27, 31	All other nondurable goods.....	20,933	20,789	20,491	18,926	+0.7	+1.5	+10.6	20,388	19,866	19,581	18,426
	Market categories:											
	Home goods and apparel.....	26,947	27,040	26,628	25,301	-0.3	+1.5	+6.5	26,567	26,044	25,306	24,943
	Consumer staples.....	42,789	42,717	42,476	41,535	+0.2	+0.6	+3.0	43,368	42,939	43,320	42,102
	Equipment and defense products, except automotive.....	95,811	95,149	95,108	92,422	+0.7	0.0	+3.7	94,872	93,442	95,272	91,527
	Automotive equipment.....	14,065	13,837	13,919	13,381	+1.6	-0.6	+5.1	14,241	13,929	14,018	13,553
	Construction materials, supplies and intermediate products.....	24,527	24,196	23,989	22,947	+1.4	+0.9	+6.9	24,454	23,895	23,478	22,851
	Other materials, supplies, and intermediate products.....	132,201	130,717	129,692	124,637	+1.1	+0.8	+6.1	131,129	128,567	129,319	123,602
	Supplementary series: ²											
	Capital goods industries.....	111,503	110,830	110,672	106,510	+0.6	+0.1	+4.7	109,688	108,020	110,703	104,856
	Nondefense.....	74,403	73,804	73,063	72,270	+0.8	+1.0	+3.0	73,468	72,186	73,328	71,383
	Defense.....	37,100	37,026	37,609	34,240	+0.2	-1.6	+8.4	36,220	35,834	37,375	33,473
	Household durable goods industries.....	13,450	13,384	13,370	13,085	+0.5	+0.1	+2.8	13,264	12,892	12,806	12,911

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹			
		End of month				Percent change			End of month			
		Jan. 1988P	Dec. 1987P	Nov. 1987	Jan. 1987P	Dec.- Jan. P	Nov.- Dec. P	Jan.- 88/87	Jan. 1988P	Dec. 1987P	Nov. 1987	Jan. 1987
MATERIALS AND SUPPLIES												
	All manufacturing industries.....	107,008	106,216	105,451	102,719	+0.7	+0.7	+4.2	107,858	106,969	104,941	103,427
	Durable goods industries.....	60,848	60,494	60,031	59,738	+0.6	+0.8	+1.9	60,955	60,728	59,941	59,740
32	Stone, clay, and glass products.....	2,242	2,270	2,209	2,272	-1.2	+2.8	-1.3	2,230	2,275	2,203	2,247
33	Primary metals.....	5,562	5,425	5,238	5,592	+2.5	+3.6	-0.5	5,609	5,628	5,451	5,635
34	Fabricated metal products.....	8,004	7,691	7,396	7,398	+4.1	+4.0	+8.2	7,992	7,703	7,286	7,383
35	Machinery, except electrical.....	12,074	12,085	12,050	11,681	-0.1	+0.3	+3.4	12,079	12,113	12,019	11,666
36	Electrical machinery.....	10,429	10,378	10,371	10,329	+0.5	+0.1	+1.0	10,399	10,378	10,140	10,294
37	Transportation equipment.....	11,578	11,803	11,939	12,129	-1.9	-1.1	-4.5	11,541	11,700	11,956	12,048
38	struments and related products.....	4,245	4,214	4,287	4,022	+0.7	-1.7	+5.5	4,237	4,171	4,263	4,009
24,25, 39	All other durable goods.....	6,714	6,628	6,541	6,315	+1.3	+1.3	+6.3	6,868	6,760	6,623	6,457
	Nondurable goods industries.....	46,160	45,722	45,420	42,981	+1.0	+0.7	+7.4	46,903	46,241	45,000	43,687
20	Food and kindred products.....	9,425	9,439	9,401	8,787	-0.1	+0.4	+7.3	9,857	9,738	9,632	9,183
21	Tobacco products.....	4,470	4,439	4,538	4,703	+0.7	-2.2	-5.0	4,886	4,905	4,515	5,117
22	Textile mill products.....	1,998	1,963	1,989	1,790	+1.8	-1.3	+11.6	1,960	1,912	1,877	1,758
26	Paper and allied products.....	6,156	6,035	5,818	5,356	+2.0	+3.7	+14.9	6,156	6,042	5,754	5,352
28	Chemicals and allied products.....	9,311	9,186	9,121	9,083	+1.4	+0.7	+2.5	9,305	9,146	9,006	9,086
29	Petroleum and coal products.....	3,027	3,190	3,219	2,992	-5.1	-0.9	+1.2	3,036	3,200	3,283	2,994
30	Rubber and plastics products.....	3,688	3,525	3,538	3,205	+4.6	-0.4	+15.1	3,714	3,636	3,447	3,216
23,27, 31	All other nondurable goods.....	8,085	7,945	7,796	7,065	+1.8	+1.9	+14.4	7,989	7,662	7,486	6,981
WORK IN PROCESS												
	All manufacturing industries.....	120,636	119,874	119,560	113,085	+0.6	+0.3	+6.7	118,866	116,562	119,711	111,563
	Durable goods industries.....	101,906	101,246	100,824	95,620	+0.7	+0.4	+6.6	100,220	98,359	100,946	94,183
32	Stone, clay, and glass products.....	1,090	1,066	1,058	1,040	+2.3	+0.8	+4.8	1,082	1,034	1,014	1,035
33	Primary metals.....	7,320	7,069	6,899	6,582	+3.6	+2.5	+11.2	7,193	6,897	6,746	6,460
34	Fabricated metal products.....	7,824	7,845	7,847	7,473	-0.3	0.0	+4.7	7,640	7,560	7,817	7,305
35	Machinery, except electrical.....	16,405	16,368	16,601	16,687	+0.2	-1.4	-1.7	16,246	15,947	16,609	16,539
36	Electrical machinery.....	20,488	20,502	20,702	20,089	-0.1	-1.0	+2.0	20,245	20,069	20,799	19,856
37	Transportation equipment.....	40,252	39,890	39,407	35,298	+0.9	+1.2	+14.0	39,401	38,553	39,740	34,645
38	struments and related products.....	4,841	4,794	4,696	4,911	+1.0	+2.1	-1.4	4,720	4,616	4,670	4,795
24,25, 39	All other durable goods.....	3,686	3,712	3,614	3,540	-0.7	+2.7	+4.1	3,693	3,683	3,551	3,548
	Nondurable goods industries.....	18,730	18,628	18,736	17,465	+0.5	-0.6	+7.2	18,646	18,203	18,765	17,380
20	Food and kindred products.....	2,493	2,436	2,482	2,397	+2.3	-1.9	+4.0	2,550	2,428	2,503	2,451
21	Tobacco products.....	267	234	241	131	+14.1	-2.9	+103.8	268	237	243	132
22	Textile mill products.....	2,122	2,115	2,107	2,066	+0.3	+0.4	+2.7	2,129	2,092	2,117	2,071
26	Paper and allied products.....	1,275	1,236	1,220	1,224	+3.2	+1.3	+4.2	1,265	1,222	1,239	1,214
28	Chemicals and allied products.....	4,164	4,083	4,046	4,135	+2.0	+0.9	+0.7	4,116	3,890	4,084	4,078
29	Petroleum and coal products.....	2,274	2,403	2,556	1,943	-5.4	-6.0	+17.0	2,281	2,411	2,606	1,944
30	Rubber and plastics products.....	1,512	1,452	1,364	1,410	+4.1	+6.5	+7.2	1,515	1,455	1,370	1,418
23,27, 31	All other nondurable goods.....	4,623	4,669	4,720	4,159	-1.0	-1.1	+11.2	4,522	4,468	4,603	4,072
FINISHED GOODS												
	All manufacturing industries.....	108,696	107,566	106,801	104,419	+1.1	+0.7	+4.1	107,907	105,285	106,061	103,588
	Durable goods industries.....	56,019	55,013	55,076	53,577	+1.8	-0.1	+4.6	55,458	53,617	53,726	53,010
32	Stone, clay, and glass products.....	3,778	3,826	3,868	3,896	-1.3	-1.1	-3.0	3,685	3,736	3,692	3,813
33	Primary metals.....	5,172	5,048	5,112	4,950	+2.5	-1.3	+4.5	5,071	4,879	5,034	4,846
34	Fabricated metal products.....	6,598	6,536	6,728	6,443	+0.9	-2.9	+2.4	6,666	6,475	6,528	6,505
35	Machinery, except electrical.....	13,389	12,965	12,540	12,956	+3.3	+3.4	+3.3	13,274	12,670	12,508	12,850
36	Electrical machinery.....	9,122	9,095	9,117	8,678	+0.3	-0.2	+5.1	8,812	8,766	8,777	8,381
37	Transportation equipment.....	6,816	6,386	6,543	6,063	+6.7	-2.4	+12.4	6,794	6,330	6,552	6,023
38	struments and related products.....	3,663	3,702	3,636	3,637	-1.1	+1.8	+0.7	3,612	3,580	3,594	3,587
24,25, 39	All other durable goods.....	7,481	7,455	7,532	6,954	+0.3	-1.0	+7.6	7,544	7,181	7,041	7,005
	Nondurable goods industries.....	52,677	52,553	51,725	50,842	+0.2	+1.6	+3.6	52,449	51,668	52,335	50,578
20	Food and kindred products.....	12,841	12,903	12,808	12,585	-0.5	+0.7	+2.0	12,928	13,015	13,662	12,658
21	Tobacco products.....	882	896	821	770	-1.6	+9.1	+14.5	920	748	910	802
22	Textile mill products.....	2,761	2,796	2,834	2,823	-1.3	-1.3	-2.2	2,687	2,670	2,759	2,749
26	Paper and allied products.....	3,909	4,013	3,957	3,963	-2.6	+1.4	-1.4	3,913	3,913	3,875	3,964
28	Chemicals and allied products.....	14,850	14,474	14,154	13,940	+2.6	+2.3	+6.5	14,944	14,614	14,287	14,007
29	Petroleum and coal products.....	4,900	5,053	4,957	5,073	-3.0	+1.9	-3.4	4,953	4,974	5,333	5,119
30	Rubber and plastics products.....	4,309	4,243	4,219	3,986	+1.6	+0.6	+8.1	4,227	3,998	4,017	3,906
23,27, 31	All other nondurable goods.....	8,225	8,175	7,975	7,702	+0.6	+2.5	+6.8	7,877	7,736	7,492	7,373

P Preliminary. R Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio ¹			
		Jan. 1988 ^P	Dec. 1987 ^T	Nov. 1987	Jan. 1987 ^T	Jan. 1988 ^P	Dec. 1987 ^T	Nov. 1987	Jan. 1987 ^T
	All manufacturing industries.....	1.62	1.58	1.60	1.69	3.55	3.43	3.52	3.61
	Durable goods industries.....	2.01	1.92	1.99	2.11	4.43	4.22	4.38	4.53
32	Stone, clay, and glass products.....	1.38	1.36	1.35	1.45	0.54	0.53	0.54	0.55
33	Primary metals.....	1.74	1.56	1.63	2.12	2.14	1.98	2.04	2.09
34	Fabricated metal products.....	2.01	1.93	1.97	1.95	1.93	1.88	1.94	1.90
35	Machinery, except electrical.....	2.12	2.14	2.28	2.49	3.14	3.19	3.36	3.49
36	Electrical machinery.....	2.01	2.05	2.07	2.22	4.89	4.94	4.95	5.25
37	Transportation equipment.....	2.29	1.99	2.14	2.09	12.59	10.18	11.32	11.69
38	Instruments and related products.....	2.33	2.35	2.35	2.58	1.68	1.66	1.67	1.73
	Nondurable goods industries.....	1.19	1.19	1.17	1.23	0.53	0.54	0.54	0.49
20	Food and kindred products.....	0.85	0.87	0.86	0.88	(X)	(X)	(X)	(X)
21	Tobacco products.....	6.11	2.57	2.99	7.17	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.46	1.50	1.42	1.47	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.06	1.06	1.05	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.48	1.49	1.45	1.60	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.99	0.99	0.97	1.00	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.39	1.34	1.34	1.36	(X)	(X)	(X)	(X)

^PPreliminary. ^TRevised. (X) Not applicable. (NA) Not available.

¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987	Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987	Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987	Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987
	All manufacturing industries.....	0.4	0.4	0.2	0.6	0.6	0.4	0.1	0.2	0.1	0.2	0.1	0.1
	Durable goods industries.....	0.4	0.5	0.2	0.6	0.6	0.5	0.1	0.2	0.1	0.0	0.1	0.3
32	Stone, clay, and glass products.....	1.4	1.6	0.8	1.6	1.9	0.6	0.4	0.6	0.8	2.0	1.3	0.4
33	Primary metals.....	1.0	0.9	0.7	0.2	1.0	1.1	0.4	0.6	0.4	0.4	0.2	0.2
34	Fabricated metal products.....	2.3	1.9	0.6	2.1	1.8	1.0	0.2	0.3	0.5	0.3	0.2	0.2
35	Machinery, except electrical.....	1.1	1.3	0.9	1.9	1.5	1.2	0.1	0.2	0.2	0.5	0.2	0.2
36	Electrical machinery.....	0.6	1.9	0.5	1.3	2.2	0.8	0.2	0.5	0.1	0.1	0.2	0.2
37	Transportation equipment.....	0.1	0.9	0.1	0.0	0.7	0.4	0.0	0.1	0.1	0.2	0.2	0.1
38	Instruments and related products.....	2.8	1.4	1.0	2.6	2.1	0.9	0.2	0.4	0.4	0.1	1.0	0.2
	Nondurable goods industries.....	0.4	0.5	0.3	0.6	0.6	0.3	1.3	0.7	0.4	0.3	0.3	0.1
20	Food and kindred products.....	0.1	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.6	0.3
21	Tobacco products.....	0.2	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	1.8	0.5	0.3
22	Textile mill products.....	0.6	1.1	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.4	1.0	0.5
26	Paper and allied products.....	0.5	0.9	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.4	0.7	0.4
28	Chemicals and allied products.....	1.0	1.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.2
29	Petroleum and coal products.....	0.8	0.9	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.9	0.5
30	Rubber and plastics products.....	1.5	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	2.2	0.7	0.4
	Capital goods industries:												
	Nondefense.....	1.2	1.5	0.7	1.3	1.1	0.9	0.0	0.2	0.1	0.3	0.1	0.1
	Defense.....	0.1	1.4	0.2	0.6	2.3	1.2	0.0	0.2	0.1	0.1	0.3	0.2

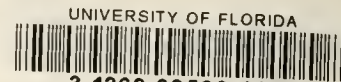
(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

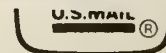
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